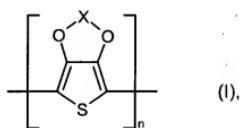


ELECTROLUMINESCENT ARRANGEMENTS

ABSTRACT OF THE DISCLOSURE

3,4-Polyalkylenedioxothiophene dispersions comprising polyanions and cationic 3,4-polyalkylenedioxothiophenes, in particular those of the formula (I)



in which

5 n is an integer from 3 to 100, preferably from 4 to 15, and

X is -(CH₂)_x-CR¹R²-(CH₂)_y-, where

10 R¹ and R², independently of one another, are H, an optionally substituted alkyl radical having from 1 to 20 carbon atoms, an aryl radical having from 6 to 14 carbon atoms or -CH₂-OR³, where R³ = H, alkyl or -CH₂-CH₂-CH₂-SO₃H, and

x and y are each, independently of one another, an integer from 0 to 9,

15

in which at least 90% of the particles are < 50 nm, can be employed in electroluminescent arrangements having a long service life and high luminosity.